

OPINION 2264 (Case 3431)***Procynosuchus* Broom, 1937 (Therapsida, Cynodontia): generic name conserved**

Abstract. The Commission has ruled that the generic name *Procynosuchus* Broom, 1937 for a group of Permian cynodonts (family PROCYNOSUCHIDAE) has precedence over the older names *Cyrbasiodon* Broom, 1931 and *Parathrinaxodon* Parrington, 1936 whenever these genera are considered to be synonyms.

Keywords. Nomenclature; taxonomy; Therapsida; Cynodontia; PROCYNOSUCHIDAE; *Procynosuchus*; *Cyrbasiodon*; *Parathrinaxodon*; *Procynosuchus delaharpeae*; *Cyrbasiodon boycei*; *Parathrinaxodon proops*; Permian; Africa; Germany; Russia.

Ruling

- (1) Under the plenary power it is hereby ruled that precedence is given to the following names:
 - (a) *Procynosuchus* Broom, 1937 over the names *Cyrbasiodon* Broom, 1931 and *Parathrinaxodon* Parrington, 1936 whenever it and either of the other two are considered to be synonyms;
 - (b) *delaharpeae* Broom, 1937, as published in the binomen *Procynosuchus delaharpeae* (specific name of the type species of *Procynosuchus* Broom, 1937), over the names *boycei* Broom, 1931, as published in the binomen *Cyrbasiodon boycei* (specific name of the type species of *Cyrbasiodon* Broom, 1931), and *proops* Parrington, 1936, as published in the binomen *Parathrinaxodon proops* (specific name of the type species of *Parathrinaxodon* Parrington, 1936), whenever it and either of the other two are considered to be synonyms.
- (2) The following names are hereby placed on the Official List of Generic Names in Zoology:
 - (a) *Procynosuchus* Broom, 1937 (gender: masculine), type species by monotypy *Procynosuchus delaharpeae* Broom, 1937, with the endorsement that it is to be given precedence over the names *Cyrbasiodon* Broom, 1931 and *Parathrinaxodon* Parrington, 1936 whenever it and either of the other two are considered to be synonyms;
 - (b) *Cyrbasiodon* Broom, 1931 (gender: masculine), type species by monotypy *Cyrbasiodon boycei* Broom, 1931, with the endorsement that it is not to be given priority over the name *Procynosuchus* Broom, 1937 whenever the two are considered to be synonyms;
 - (c) *Parathrinaxodon* Parrington, 1936 (gender: masculine), type species by monotypy *Parathrinaxodon proops* Parrington, 1936, with the endorsement that it is not to be given priority over the name *Procynosuchus* Broom, 1937 whenever the two are considered to be synonyms.
- (3) The following names are hereby placed on the Official List of Specific Names in Zoology:

- (a) *delaharpeae* Broom, 1937, as published in the binomen *Procynosuchus delaharpeae* (specific name of the type species of *Procynosuchus* Broom, 1937), with the endorsement that it is to be given precedence over the names *Cyrbasiodon boycei* Broom, 1931 and *Parathrinaxodon proops* Parrington, 1936 whenever it and either of the other two are considered to be synonyms;
- (b) *boycei* Broom, 1931, as published in the binomen *Cyrbasiodon boycei* (specific name of the type species of *Cyrbasiodon* Broom, 1931), with the endorsement that it is not to be given priority over the name *Procynosuchus delaharpeae* Broom, 1937 whenever the two are considered to be synonyms;
- (c) *proops* Parrington, 1936, as published in the binomen *Parathrinaxodon proops* (specific name of the type species of *Parathrinaxodon* Parrington, 1936), with the endorsement that it is not to be given priority over the name *Procynosuchus delaharpeae* Broom, 1937 whenever the two are considered to be synonyms.

History of Case 3431

An application to conserve the generic name *Procynosuchus* Broom, 1937 for a group of Permian cynodonts (family PROCYNOSUCHIDAE) by giving it precedence over the older names *Cyrbasiodon* Broom, 1931 and *Parathrinaxodon* Parrington, 1936 whenever these genera are considered synonymous, was received from Christian F. Kammerer (*University of Chicago, Chicago, IL, U.S.A.*) and Fernando Abdala (*University of the Witwatersrand, Johannesburg, South Africa*) on 10 July 2007. After correspondence the case was published in BZN 66: 64–69 (March 2009). The title, abstract and keywords of the case were published on the Commission's website. Three supportive comments on this case were published in BZN 66: 188 (June 2009) and 67: 95 (March 2010).

Decision of the Commission

On 1 June 2010 the members of the Commission were invited to vote on the proposals published in BZN 66: 67 (March 2009). At the close of the voting period on 1 September 2010 the votes were as follows

Affirmative votes – 20: Ballerio, Bouchet, Brothers, Fautin, Grygier, Halliday, Harvey, Krell, Lamas, Minelli, Ng, Pape, Papp, Rosenberg, Štys, van Tol, Winston, Yanega, Zhang and Zhou.

Negative votes – 4: Bogutskaya, Kojima, Kullander and Lim.

Alonso-Zarazaga, Kottelat, Patterson and Pyle were on leave of absence.

Original references

The following are the original references to the names placed on Official Lists by the ruling given in the present Opinion:

boycei, *Cyrbasiodon*, Broom, 1931, *Records of the Albany Museum*, 4: 163.

Cyrbasiodon Broom, 1931, *Records of the Albany Museum*, 4: 163.

delaharpeae, *Procynosuchus*, Broom, 1937, *Proceedings of the Zoological Society of London*, Series B, 107: 314.

Parathrinaxodon Parrington, 1936, *Philosophical Transactions of the Royal Society of London*, Series B, 230: 132.

Procynosuchus Broom, 1937, *Proceedings of the Zoological Society of London*, Series B, 107: 314.

proops, *Parathrinaxodon*, Parrington, 1936, *Philosophical Transactions of the Royal Society of London*, Series B, 230: 132.